DRAFT MITIGATED NEGATIVE DECLARATION FOR THE HAPPY CAMP CANYON CHANNEL IMPROVEMENT PROJECT

PROJECT DESCRIPTION

The project includes the construction of a new earthen channel with rock stabilizers along the western portion of Happy Camp Canyon, disposal of excavated material in the eastern portion of the Canyon with associated grading, and improvements/connection to the adjoining concrete-lined channel inlet located in the southwest portion of the Rustic Canyon Golf Course.

New Channel

A new earthen channel would be constructed along approximately the same alignment as an existing temporary channel constructed in response to storm damage in early 2005. The channel would be approximately 1,730 feet long, trapezoidal in cross-section, with a 40 foot-wide bottom width, 70 to 100 foot-wide top width and mostly 3:1 horizontal:vertical side slopes. Ungrouted rock rip-rap would be placed on the east bank at the upstream end of the channel to minimize erosion where storm flow would enter the channel. Ungrouted rock rip-rap would also be placed on the east bank at a bend in the new channel near the downstream end. The rock rip-rap would be covered with native soil to facilitate revegetation.

Four grouted rock grade stabilizers would be installed along the earthen channel to maintain channel grade. The completed channel would be planted with vegetation to reduce erosion and stabilize the banks. Approximately 250 feet of an existing unpaved cart path/access road used by the Golf Course would be relocated to the east to provide space for the new channel. Approximately 2,000 cubic yards of rock would be imported and approximately 21,500 cubic yards of earth material would be excavated to construct the new channel.

Grading

Earth materials excavated from the channel would be used to fill in the existing western channel and stockpiled for future use at the adjacent Rustic Canyon Golf Course. Excess earth material would be stockpiled in a two acre area within the golf course adjacent to the eastern channel. The stockpile would be up to 15 feet high. The on-site stockpile would avoid costs and environmental impacts associated with off-site transport of excess material.

Inlet Improvements

The inlet to the existing concrete-lined channel would be improved to more effectively convey surface flow from the new channel. Improvements include the installation of a steep (12 percent slope) concrete apron linking the new and existing channel, and removal of weir-like entrance walls. The existing transition structure forming the inlet to the existing channel (acts as a funnel to reduce the channel width from 60 feet to 8 feet) would be retained.

SMMC
Attachment
November 29, 2006
Agenda Item 9a